



More than lights

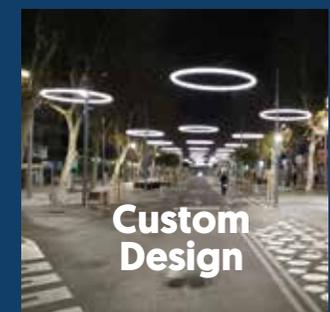
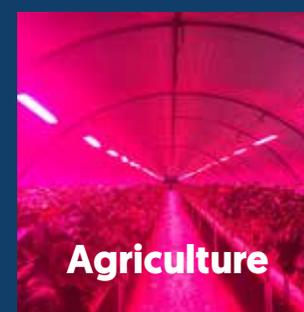
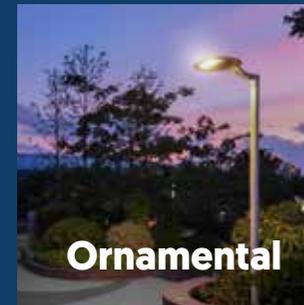
More than lights

LED LIGHTING

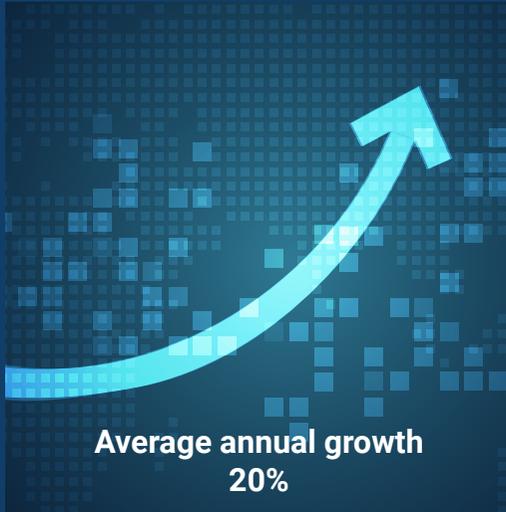
1 ABOUT US

We are an European company located in Spain, dedicated to design and manufacture different types of LED luminaires on an international scale. Our experience in innovative products is based on the knowledge and understanding of new technologies, the key being our technical team that helps clients save resources, working in a more productive, safe and sustainable way.

- Our headquarters
- Our distributors



2 NTE IN FIGURE



3 OUR FACILITIES

All the products manufactured by NTE are subjected to rigorous studies of quality and performance, carried out by specialized engineers in our lighting laboratory, equipped with Cutting-edge tools such as the Pick&Place, the Goniophotometer, the brazing furnaces, the Spectrogoniophotometer and the Ulbircht Sphere



4 OUR PRODUCTION PROCESS

Our engineers of R+D+I department use necessary tools to obtain the best results for any installation, new products, or a customized products to satisfy all our customers.

1 R&D&I



3 LIGHT SIMULATION



5 PROTOTYPING



7 TEST/QUALITY/
CERTIFICATION



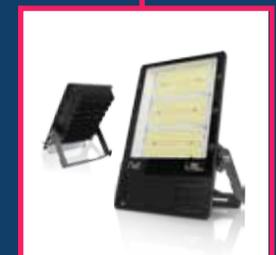
2 CAD DESIGN



4 DESIGN AND
MANUFACTURE OF
PCBS



6 MANUFACTURING
AND ASSEMBLY



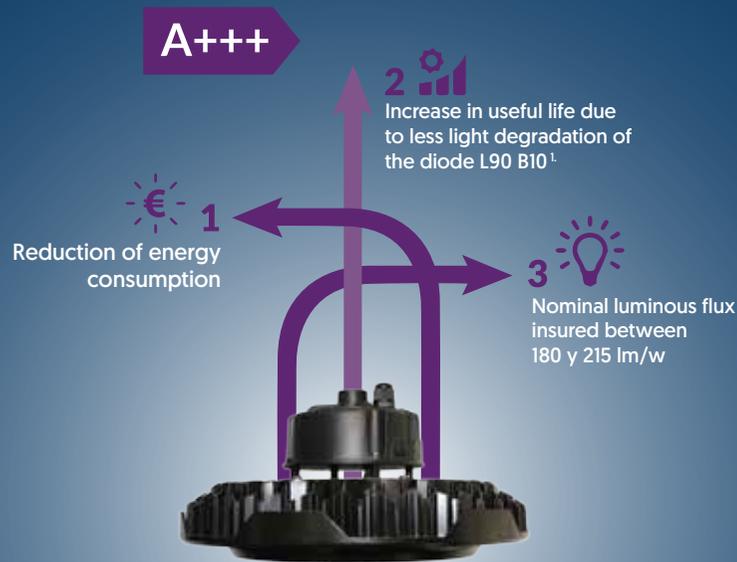
8 FINAL PRODUCT

5 THE VALUE OF EFFICIENCY

It is not by chance that our brand becomes a standard-bearer of LED efficiency. We choose the highest Bin of the brightest LEDs on the market for our products. Our Efficiency line is easily distinguishable because it has between two and three times more LED diodes than other products on the market.



Due to the set of features of this range, there are three important points to highlight:



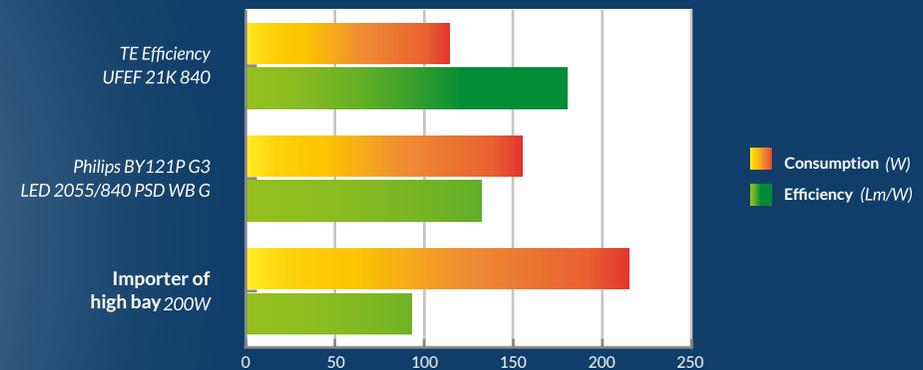
1) LB value indicate the real lifetime at a certain hours. Like L90B10 at 100,000 hours means the LED lamp keeping 90% lumen from initial lumen and only 10% light failed to reach 90% lumen.

▶ CASE STUDY

| Model | Final Luminous Flux | Consumption (W) | Efficiency (Lm / W) | KW / Year* | Annual Electrical Expense** |
|---|---------------------|-----------------|---------------------|------------|-----------------------------|
| Importer of high bay LED 200W | 20.000 | 215 | 93 | 39,237,50 | 4.708,5 € |
| Philips BY121P G3 LED 2055/840 PSD WB G | 20.500 | 155 | 132 | 28,287,50 | 3.394,5 € |
| NTE Efficiency UFEF 21K 840 | 20.500 | 114 | 180 | 20,805,00 | 2.496,6 € |

*Example of an industrial building with 50 luminaires lit on 10h/day.

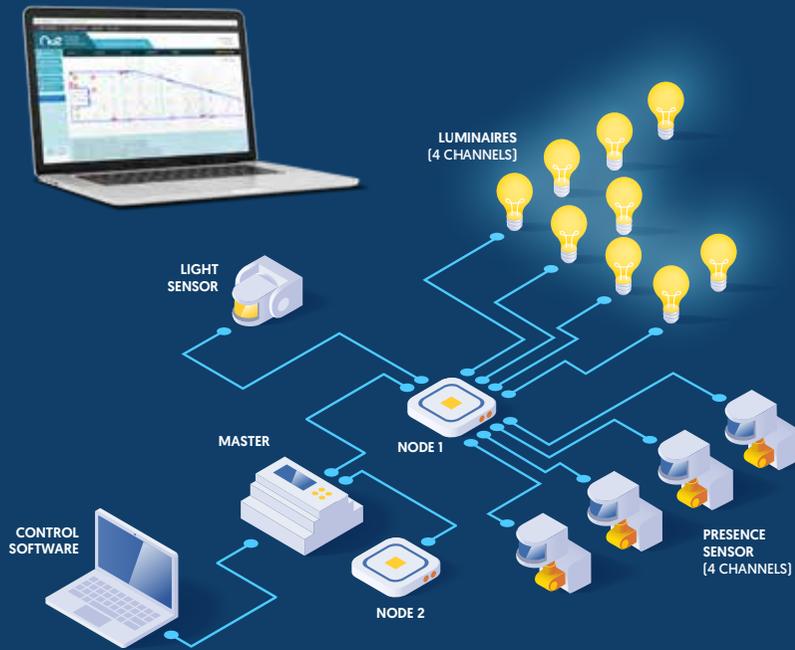
** Calculations made at the cost of kw/h: €0.12 .



6 PROGRAMMING OF LIGHTING INSTALLATIONS

REMOTE MANAGEMENT SYSTEM

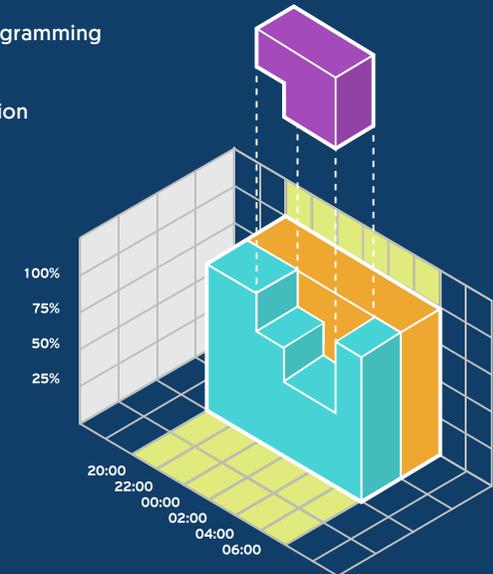
Remote management and luminaire control system developed by NTE. Formed by different devices that, combined, provide control, regulation, programming and monitoring for lighting installations. Furthermore, it is designed to be fully scalable, in such a way that no element of the installation needs to be changed for expansion.



DOUBLE LEVEL REGULATION

Device manufactured by NTE, as an alternative to drivers with double level regulation. It has up to eight regulation steps. The intelligent parameter analysis system, self-regulates the standard programming so the luminaire will become more efficient the longer it is in operation, adapting to the needs of each installation. This generates considerable energy savings.

- Installation without programming
- Programmable installation
- Saving percentage
- Switching schedules



7 SUSTAINABILITY



100% recyclable products



Energy efficiency



Reducing light pollution



Responsible color temperature

ISO
14001

Environmental management system



8 QUALITY

OUR ADVANTAGES



OUR STRENGTHS



IK09



IP66



20KV



CLASS I / II

OUR CERTIFICATES



ACCREDITED BY:



We have all the technical requirements requested by IDAE and CEI.



9 INDEX OF PRODUCT RANGE

ef EFFICIENCY
by nte



S STYLUS
BY NTE



ef ROAD LUMINAIRES
SOLARSERIES

ef GROWTH LUMINAIRES
GROWSERIES



ef EFFICIENCY *by nte*

With the creation of the Efficiency series, NTE takes another step in the development of lighting solutions, combining high technical performance with maximum energy efficiency, reducing consumption by up to 40% compared to traditional LEDs.



STREET LIGHTS



URBAN LUMINAIRES



HIGH BAYS



FLOOD LIGHTS



INDOOR LIGHTING



STYLUS

BY NTE

With the same high technical performance and maximum energy efficiency as Efficiency series but with an elegant design conceived to enhance the beauty of cities. STYLUS is designed with the elegance and personality that certain environments must have, in order to captivate their visitors. With these products, the importance of generating a good quality of lighting that guarantees pedestrian safety is discovered, while creating comfortable spaces and embellishing urban centers and residential areas even in daylight.



ef ROAD LUMINAIRES SOLAR SERIES

NTE was born ten years ago with the commitment to offer lighting solutions that, thanks to LED technology, will help reduce energy consumption and thus CO2 emissions on our planet, always offering maximum light capacity.

Our experience in this field has resulted in the development of our SOLAR SERIE, a range of street lighting that combines the high quality of our Efficiency products with the energy autonomy of the SOLAR KIT, making it a 100% sustainable luminaire. NTE has developed its own application compatible with Android/IOS systems designed for the end user. It allows to access the data collected by the luminaire during its hours of operation, as well as customize the configuration parameters of the complete SOLAR.

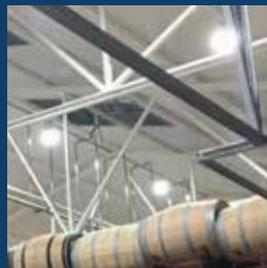
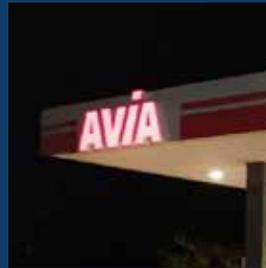


ef GROWTH LUMINAIRES
GROWSERIES

GROW belongs to the Efficiency range and is the outcome of the LED technology expertise of the NTE technical team, combined with an extensive research process in the field of horticulture. A lighting system developed to condition growing crops, without providing more heat than necessary and ensuring the maximum benefit for the producer.



10 SOME OF OUR PROJECTS



France

Niza

PEF 15K

15632lm

94W

Antisaline treatment

Color temperature:

Warm White



Spain

Zahara de la Sierra (Andalucía)

PM COLOSSUS 55K

56353lm

320W

Color temperature:

Amber



Netherlands

PM-COLOSSUS 55K

56353lm

320W

Antisaline treatment

Color temperature:

Natural White



France

Port de Locquemeau (Bretagne)

PM-COLOSSUS 140K

140883lm

800W

Anticorrosive Treatment

Color temperature:

Pure White



UAE

Dubai

Kit Solar PULSAR 6K

6477lm

36W

Color Temperature

Natural White



UAE

Dubai

LEFT-LT 6k

6477lm

36W

Color temperature:
Natural White



Spain

Sabiote (Andalucía)

ROUND POLE 35W

6320lm

ROUND POLE 25W

4222lm

Color Temperature:

Natural White



Spain

Agost (Alicante)

VEF-M 4K

4648lm

Color temperature:

Natural White



Spain

Granada (Andalucía)

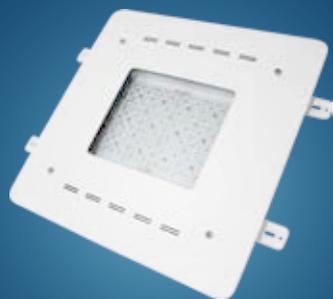
PM-PETROL 16K

16730lm

90W

Color temperature:

Natural White



Spain

Ciudad Real (Castilla-La Mancha)

PM-SPORT 28K

28324lm

195W

Color Temperature:

Natural White



Spain

Llerena (Extremadura)

UFEF-LT 22K

22707lm

115W

Color temperature

Natural white

*With remote management system.



Spain

Murcia

CEF-LT 25K

25691lm

156W

Color temperature:

Pure white



Spain

Tomelloso (Castilla-La Mancha)

UFEF 25K

25040lm

124W

Color temperature:

Pure white



Spain

Málaga (Andalucía)

UFEF-LT 20K

20107lm

102W

Color temperature:

Pure white



Spain

Huelva, Cádiz (Andalucía)

HELIOS S

375 $\mu\text{mol s}^{-1}$

150W

Color:

Red 70%

Blue 30%



Spain

Benidorm (Alicante)

CYCLE 9K

9600lm

80W

Color temperature:
Natural White

*Custom design



10 SOME OF OUR CUSTOMERS





MORE THAN LIGHT



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